

## ABSTRACT:

A DC/DC up/down converter (30), comprising inductive energy storage means (L), switching means (S1, S2, S3) and control means (40). The control means (40) are arranged for operatively controlling the switching means (S1, S2, S3) for transferring electrical energy to a first output (Vout1) of the DC/DC converter (30) in a down-conversion mode and for transferring electrical energy from the first output (Vout1) to a second output (Vout2) of the DC/DC converter (30) in an up-conversion mode.

Fig. 3

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